

Form PTO-1449  
(REV. 8-83)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

UCAL-250/02US

SERIAL NO.

08/976,560

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

MAY 28 1999

APPLICANT:

Nelson B. Freimer et al.

FILING DATE:

November 24, 1997

GROUP

1634-1655

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE
LBA	P1	5,283,185	01-Feb-94	Epand et al.	435	172.3	28 Aug 91
	P2						
	P3						
	P4						
	P5						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	F1							
	F2							

OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages etc.)

LBA	D1	BALLABIO et al., "The rise and fall of positional cloning?" <i>Nat Genet.</i> , Vol. 3, pp. 277-9. (1993)						
LBA	D2	BARON et al., "Diminished support for linkage between manic depressive illness and X-chromosome markers in three Israeli pedigrees," <i>Nature</i> , Vol. 3, pp. 49-55 (1993)						
LBA	D3	BARON et al., "Genetic linkage between X-chromosome markers and bipolar affective illness," <i>Nature</i> , Vol. 326, pp. 289-292 (1987)						
LBA	D4	BERRETTINI et al., "Chromosome 18 DNA markers and manic-depressive illness: Evidence for a susceptibility gene," <i>Proc. Nat'l Acad. Sci.</i> , Vol. 91, pp. 5918-5921, U.S.A. (1994)						
LBA	D5	BERTELSON et al., "A Danish Twin Study of Manic-Depressive Disorders," <i>Br. J. Psychiatry</i> , Vol. 130, pp. 330-351 (1977)						
LBA	D6	BOEHNKE, M., "Allele Frequency Estimation from Data on Relatives," <i>Am. J. Hum. Genet.</i> , Vol. 48, pp. 22-25 (1991)						
LBA	D7	BROWNE AND LITT, "Characterization of (CA) <sub>n</sub> microsatellites with degenerate sequencing primers," <i>Nucleic Acids Res.</i> , Vol. 20, p. 141 (1992)						
LBA	D8	BUCKLER et al., "Exon amplification: a strategy to isolate mammalian genes based on RNA splicing," <i>Proc Natl Acad Sci</i> , Vol. 88, pp. 4005-9, U.S.A. (1991)						
LBA	D9	COHEN et al., "A first-generation physical map of the human genome," <i>Nature</i> , Vol. 366, pp. 698-701 (1993)						
LBA	D10	COON, Hilary et al., "Analysis of Chromosome 18 DNA Markers in Multiplex Pedigrees with Manic Depression," <i>Biol Psychiatry</i> , Vol. 39, pp. 689-696 (1996)						

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*Nelson B. Freimer*

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LBA	D11	COPEMAN, J.B. et al., "Linkage disequilibrium mapping of a type 1 diabetes susceptibility gene (IDDM7) to chromosome 2q31-q33," <i>Nature Genet.</i> , Vol. 9, pp. 80-85 (1995)
LBA	D12	COTTON et al., "Reactivity of cytosine and thymine in single-base-pair mismatches with hydroxylamine and osmium tetroxide and its application to the study of mutations," <i>Proc Natl Acad Sc</i> , Vol. 85, pp. 4397-401, U.S.A. (1988)
LBA	D13	DE LA CHAPELLE, "Disease gene mapping in isolated human populations: the example of Finland," <i>J Med Genet.</i> , Vol. 30, pp. 857-65 (1993)
LBA	D14	DELISI, Lynn E., "Failure to Find a Chromosome 18 Pericentric Linkage in Families With Schizophrenia," <i>Am J. of Med. Genetics</i> , Vol. 60, pp. 532-534 (1995)
LBA	D15	DIRIENZO, A. et al., "Mutational processes of simple-sequence repeat loci in human population," <i>Proc. Nat'l Acad. Sci.</i> , Vol. 91, pp. 3166-3170, U.S.A. (1994)
LBA	D16	EDWARDS, J.H., "The analysis of X-linkage," <i>Ann. Hum. Genet.</i> , Vol. 34, pp. 229-250 (1971)
LBA	D17	ENDICOTT, J. et al., "A Diagnostic Interview," <i>Arch. Gen. Psych.</i> , Vol. 35, pp. 837-844 (1978)
LBA	D18	EGELAND et al., "Bipolar affective disorders linked to DNA markers on chromosome 11," <i>Nature</i> , Vol. 325, pp. 783-787 (1987)
LBA	D19	ESCAMILLA, M.A. et al., "Use of Linkage Disequilibrium Approaches to Map Genes for Bipolar Disorder in the Costa Rican Population," <i>Neuropsychiat. Genet.</i> , Vol. 67, pp. 244-253 (1996)
LBA	D20	FELGNER et al., "Lipofection: A Highly Efficient, Lipid-Mediated DNA-Transfection Procedure," <i>Proc. Nat'l Acad. Sci.</i> , Vol. 84:7413-7417, U.S.A. (1987)
LBA	D21	FREIMER, N.B. et al., "An Approach to Investigating Linkage for Bipolar Disorder Using Large Costa Rican Pedigrees," <i>Neuropsychiat. Genet.</i> , Vol. 67, pp. 254-263 (1996)
LBA	D22	FREIMER, N.B. et al., "Genetic Mapping using haplotype, association and linkage methods suggests a locus for severe bipolar disorder (BPI) at 18q22-q23," <i>Nature Genetics</i> , Vol. 12, pp. 436-441 (1996)
LBA	D23	FREIMER AND REUS, "The Genetics of Bipolar Disorder and Schizophrenia," Ch:64, pp. 951-965 (1992)
LBA	D24	GOODWIN, F.K. et al., "Manic Depressive Illness," <i>Oxford University Press</i> , pp. 373-401, New York (1990)
LBA	D25	GYAPAY, F. et al., "The 1993094 Généthon human genetic linkage map," <i>Nature Genet.</i> , Vol. 7, pp. 246-339 (1994)
LBA	D26	HÄSTBACKA et al., "The Diastrophic Dysplasia Gene Encodes a Novel Sulfate Transporter: Positional Cloning by Fine-Structure Linkage Disequilibrium Mapping," <i>Cell</i> , Vol. 78, pp. 1073-1087 (1994)
LBA	D27	HOUWEN et al., "Genome screening by searching for shared segments: mapping a gene for benign recurrent intrahepatic cholestasis," <i>Nat Genet.</i> , Vol. 8, pp. 380-6 (1994).
LBA	D28	HUDSON et al., "Isolation and Chromosomal Assignment of 100 Highly Informative Human Simple Sequence Repeat Polymorphisms," <i>Genomics</i> , Vol. 13, pp. 622-629 (1992)

EXAMINER:

*Nelson B. Freimer*

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7/19/95

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INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)				APPLICANT:  Nelson B. Freimer et al.	
				FILING DATE: November 24, 1997	GROUP 1634 1655
				OTHER PUBLICATIONS (including Author, Title, Date, Pertinent Pages etc.)	
LBA	D29	HUMMERICH et al., " <u>Distribution of trinucleotide repeat sequences across a 2 Mbp region containing the Huntington's disease gene</u> ," <i>Hum Mol Genet</i> , Vol. 3, pp. 73-8 (1994)			
	D30	JOU, et al., " <u>Localization of the <math>\alpha_2</math>-Macroglobulin Receptor-Associated Protein 1 Gene (LRPAP1) and Other Gene Fragments to Human Chromosome 4p16.3 by Direct cDNA Selection</u> ," <i>Genomics</i> , Vol. 24, pp. 410-413 (1994)			
	D31	KELSOE et al., " <u>Re-evaluation of the linkage relationship between chromosome 11p loci and the gene for bipolar affective disorder in the Old Order Amish</u> ," <i>Nature</i> , Vol. 342, pp. 238-243 (1989)			
	D32	KEREM et al., " <u>Identification of the Cystic Fibrosis Gene: Genetic Analysis</u> ," <i>Science</i> , Vol. 245, pp. 1073-1080 (1989)			
	D33	LANDER, E.S. et al., " <u>Mapping Complex Genetic Traits in Humans: New Methods Using a Complete RFLP Linkage Map</u> ," <i>Cold Springs Harbor</i> , Vol. 51, pp. 49-62 (1986)			
	D34	LATHROP et al., " <u>Strategies for multilocus linkage analysis in humans</u> ," <i>Proc. Nat'l Acad. Sci.</i> , Vol. 81, pp. 3443-3446, U.S.A. (1984)			
	D35	LEON et al., " <u>The gene for an inherited form of deafness maps to chromosome 5q31</u> ," <i>Proc. Nat'l Acad. Sci.</i> , Vol. 89:5181-5184, U.S.A. (1992)			
	D36	LOVETT, M. et al., " <u>Direct selection: A method for the isolation of cDNAs encoded by large genomic regions</u> ," <i>Proc. Nat'l Acad. Sci.</i> , Vol. 88, pp. 9628-9632, U.S.A. (1991)			
	D37	MACDONALD et al., " <u>The Huntington's disease candidate region exhibits many different haplotypes</u> ," <i>Nat Genet.</i> , Vol. 1, pp. 99-103. (1992)			
✓	D38	MAIER et al., " <u>Linkage analysis between pericentrometric markers on chromosome 18 and bipolar disorder: A replication test</u> ," <i>Psych. Res.</i> , Vol. 59, pp. 7-15 (1995)			
LBA	D39	MCINNIS, L.A. et al., " <u>Mapping genes for psychiatric disorders and behavioral traits</u> ," <i>Curr. Opin. in Genet. And Development</i> , Vol. 5, pp. 376-381 (1995)			
LBA	D40	MULLER et al., " <u>Laboratory Methods - Efficient Transfection and Expression of Heterologous Genes in PC12 Cells</u> ," <i>DNA and Cell Biol.</i> , Vol. 9, pp.221-229 (1990)			
LBA	D41	MURRAY, J.C. et al., " <u>A Comprehensive Human Linkage Map with Centimorgan Density</u> ," <i>Science</i> , Vol. 265, pp. 2049-2054 (1994)			
LBA	D42	NURNBERGER, J.L. et al., " <u>Diagnostic Interview for Genetic Studies</u> ," <i>Arch. Gen. Psychiat</i> , Vol. 51, pp. 849-859 (1994)			
LBA	D43	NYLANDER et al., " <u>Anticipation in Swedish families with bipolar affective disorder</u> ," <i>J Med Genet.</i> , Vol. 31, pp. 686-9 (1994)			
LBA	D44	PAULS et al., " <u>Linkage Analyses of Chromosome 18 Markers Do Not Identify a Major Susceptibility Locus for Bipolar Affective Disorder in the Old Order Amish</u> ," <i>Am. J. Hum. Genet.</i> , Vol. 57, pp. 636-643 (1995)			
EXAMINER		Lisa B. Catlin		DATE CONSIDERED 7/21/99	

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LBA	D45	PAULS et al., " <u>Risks of affective illness among first-degree relatives of bipolar I old-order Amish probands</u> ," <i>Arch Gen Psychiatry</i> , Vol. 49, pp. 703-8 (1992)
	D46	PETRUKHIN, K.E. et al., " <u>A Microsatellite Genetic Linkage Map of Human Chromosome 13</u> ," <i>Genomics</i> , Vol. 15, pp. 76-85 (1993)
	D47	SPIELMAN et al., " <u>Transmission Test for Linkage Disequilibrium: The Insulin Gene Region and Insulin-dependent Diabetes Mellitus (IDDM)</u> ," <i>Am. J. Hum. Genet.</i> , Vol. 52, p. 506 (1993)
	D48	STINE et al., " <u>Evidence for Linkage of Bipolar Disorder to Chromosome 18 with a Parent-of-Origin Effect</u> ," <i>Am J Hum Genet.</i> , Vol. 57, pp. 1384-94 (1995)
	D49	STRAUB et al., " <u>A possible vulnerability locus for bipolar affective disorder on chromosome 21q22.3</u> ," <i>Nature Genet.</i> , Vol. 8, pp. 291-296 (Nov. 1994)
	D50	TERWILLIGER, <i>Am. J. Hum. Genet.</i> , " <u>A Powerful Likelihood Method for the Analysis of Linkage Disequilibrium between Trait Loci and One or More Polymorphic Marker Loci</u> ," Vol. 56, p. 777 (1995)
	D51	UHRHAMMER, N. et al., " <u>Sublocalization of an Ataxia-Telangiectasia Gene Distal to D11S384 by Ancestral Haplotyping in Costa Rican Families</u> ," <i>Am. J. Hum. Genet.</i> , Vol. 57, pp. 103-111 (1992)
	D52	WEBER, J.L., " <u>Informativeness of Human (dC-dA)<sub>n</sub> (dG-dT)<sub>n</sub> Polymorphisms</u> ," <i>Genomics</i> , Vol. 7, pp. 524-530 (1990)
	D53	WEISSENBAACH et al., " <u>A second-generation linkage map of the human genome</u> ," <i>Nature</i> , Vol. 359, pp. 794-801 (1992)
LBA	D54	YOSHIKAWA et al., " <u>Isolation of Chromosome 18-Specific Brain Transcripts as Positional Candidates for Bipolar Disorder</u> ," <i>Am. J. Hum. Genet.</i> Vol. 74, pp. 140-149 (1997)
EXAMINER	LBA B. O'Brien	
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